

REMARKS:

Claims 1-12 are pending in the application. By this amendment, claim 1 is amended and claims 13-19 are newly presented. Applicant requests reconsideration and allowance in view of the above amendments and the following remarks.

Rejection Under 35 U.S.C. § 103

Claims 1, 5, 11, and 12 are rejected under 35 U.S.C. § 103 based on Stockel, U.S. 3,154,914. According to the Office Action, Stockel discloses all features recited in the claims except for the specific angle of the guide surface. Such angle, however, according to the Office Action, is simply the result of mere optimization, such that the claimed subject matter would have been obvious. Applicant requests reconsideration and withdrawal of the rejection.

In particular, claim 1 (and hence dependent claims 5, 11, and 12) is amended to specify that the flow guiding surfaces extend along the length of the cooling channels. New claims 13-19 also specify that feature. Support for this limitation may be found in the various Figures of the application as well as paragraph 36 of the specification by implication. In Stockel, in contrast, the guiding plate 28 – which the Examiner asserts imparts the same sort of motion to the coolant flow as the claim-recited structure – is limited to a short length in the region of the nozzle throat. Because that plate 28 is provided simply to control the flow of fluid in the auxiliary cross channels 24 (column 5, lines 27-31), and because the auxiliary cross channels are only provided generally in the region of the nozzle throat (see Figure 4), there would have been no reason to increase the length of the plate 28 in Stockel so as to extend along the length of the cooling channels. Accordingly, Stockel neither anticipates nor suggests the invention as now claimed. Therefore, Applicant requests that the rejection be withdrawn.

Allowable Subject Matter

Claims 2-4 and 6-10 are allowed. In view of the foregoing, however, Applicant submits that all claims are in condition for allowance, and timely Notice to that effect is respectfully requested.

The undersigned representative requests any extension of time that may be deemed necessary to further the prosecution of this application.

The undersigned representative authorizes the Commissioner to charge any additional fees under 37 C.F.R. 1.16 or 1.17 that may be required, or credit any overpayment, to Deposit Account No. 14-1437, referencing Attorney Docket No.: 7589.117.PCUS00.

In order to facilitate the resolution of any issues or questions presented by this paper, the Examiner may directly contact the undersigned by phone to further the discussion.

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Respectfully submitted,



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